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(71) Applicant and

(72) Inventor: JUN, Myong-Ki [KR/KR]; Jukong Apt.
909-403, 41, Burim-Dong, Gwacheon-Shi, Kyunggi-Do
427-804 (KR).

(74) Agents: LEE, Kwang-Yeon et al.; Lee & Kim, 5th Floor,
New-Seoul Bldg., 828-8, Yoksam-1 Dong, Kangnam-Ku,
Seoul 135-935 (KR).

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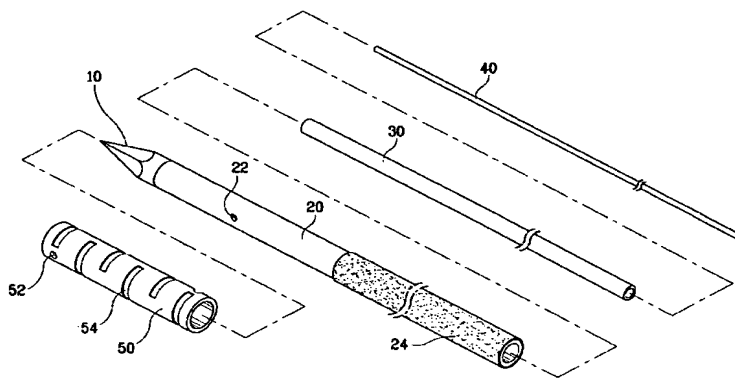
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(54) Title: ELECTRODE FOR RADIOFREQUENCY TISSUE ABLATION



(57) Abstract: The present invention discloses an electrode for an electric operation device including a hollow electrode being formed in a hollow tube shape extended long from a closed tip, and having an insulation-coating on the outside surface except a predetermined length of the closed tip side, a refrigerant tube having a smaller diameter than a diameter of the hollow electrode, and being inserted into the hollow electrode, the refrigerant tube supplying refrigerants for cooling a living tissue contacting the closed tip and the hollow electrode into the hollow electrode, and externally discharging the heat-exchanged refrigerants from the living tissue through the gap between the refrigerant tube and the hollow electrode, at least one first hole formed on the outside surface of the hollow electrode where the insulation coating has not been formed, for externally discharging some of the refrigerants supplied through the refrigerant tube from the hollow electrode, and a flow control means formed on the outside surface of the hollow electrode where the insulation coating has not been formed, and operated as a discharge resistance to the refrigerants discharged from the first hole, for controlling a flow of the refrigerants, whereby supplying an electrode structure using both a method for water-cooling the inside of the electrode and a method for discharging the saline solution.

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